



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Dorma Door Control, Inc.

1003 West Broadway

Steellville, IL 62288

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series “9300 Rim Panic Exit w/ HC 1300 mullion” & Dorma series “9400/ 9400 SVR” Panic Exit Devices –Component Approval

APPROVAL DOCUMENT: Drawing No. **9000-003 DADE**, titled “Dorma 9300/F9300 Rim Exit Device and Dorma 9400/F9400 Surface Vertical Rod Exit Device”, sheets 1 through 6 of 6, prepared by manufacturer, dated 06/24/11, with revision “10” dated 06/16/15, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATION:

1. The Panic Exit Devices to be used in approved outswing glazed or opaque 16 ga. steel frame & door system, having current NOA(s). Lower design of door or component approval shall control.
2. Electrical devices, fire rating and egress requirements are not part of the review and such application to be reviewed and approved by AHJ (Authority Having Jurisdiction).

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.



JP 2/25/16

NOA No. 15-0630.02

Expiration Date: May 19, 2021

Approval Date: March 03, 2016

Page 1



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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Dorma Door Control, Inc.
1003 West Broadway
Steelville, IL 62288

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION:

A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews NOA No. 11-0406.02** and consists of pages 1 and 2, and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P.E.**



NOA No. 15-0630.02
Expiration Date: May 19, 2021
Approval Date: March 03, 2016
Page 2


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No.'s 07-0312.06, 05-0104.03 and 03-0911.04)
2. Drawing No. **9000-003 DADE**, titled "Dorma 9300/ F9300 Rim Exit Device and Dorma 9400/F9400 Surface Vertical Rod Exit Device", sheets 1 through 6 of 6, prepared by manufacturer, dated 06/24/11, with revision "10" dated 06/16/15, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Quality Engineered Product's hollow metal doors, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA-1276W**, dated 11/17/04, signed and sealed by Ramesh Patel, P.E.
(Submitted under NOA No. 07-0312.06)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94(Not Performed)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Benchmark HMF's hollow metal doors, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA-1089W**, dated 04/21/03, signed and sealed by Ramesh Patel, P.E.
(Submitted under NOA No. 05-0104.03)



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0630.02
Expiration Date: May 19, 2021
Approval Date: March 03, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94(Not Performed)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Dorma's hollow metal doors, prepared by Architectural Testing Laboratory, Inc., Test Reports No.'s **ATI-0137581.01**, **ATI-0137581.02** and **ATI-0137581.04**, dated 03/15 and 03/16/01, signed and sealed by Allen N. Reeves, P.E.
(Submitted under NOA No. 03-0911.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by HR Engineering Inc., signed & sealed by Allen N. Reeves, P. E.
(Submitted under NOA No. 11-0911.04)

D. QUALITY ASSURANCE


1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None (N/A).

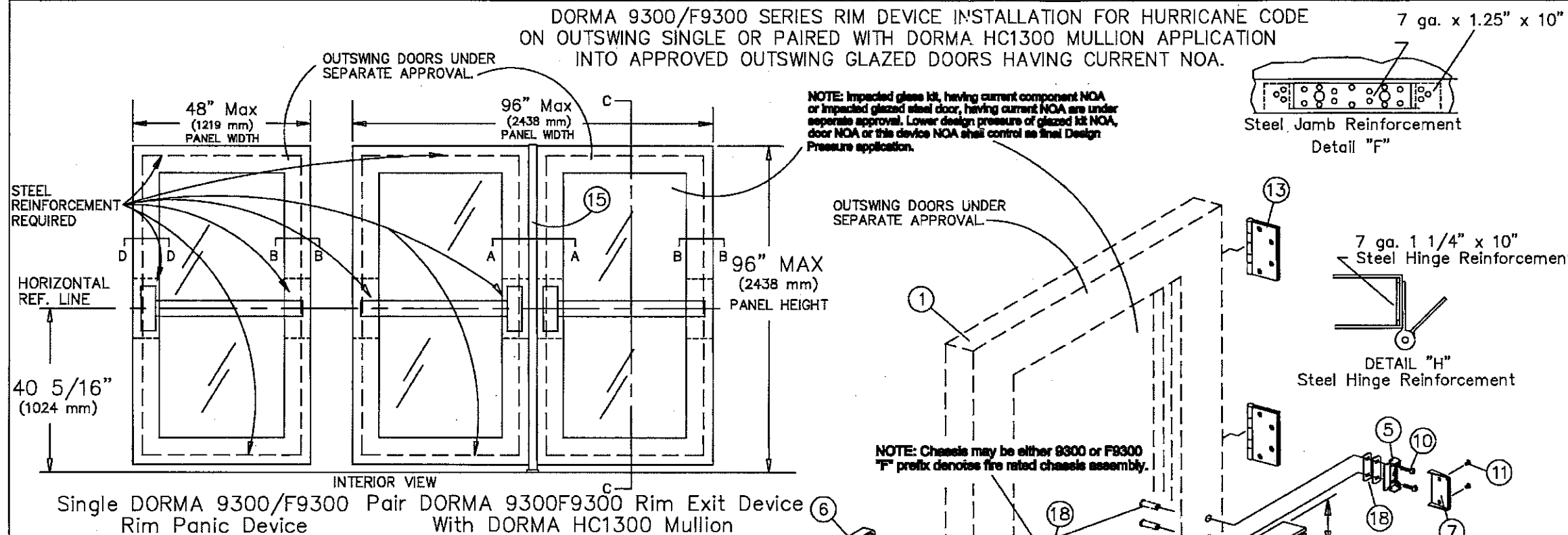
F. STATEMENTS

1. Product Evaluation Report No. 3801, complying with **FBC-5th Edition (2014)**, dated 06/16/15, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated 06/16/15, issued, signed and sealed by Hermes F. Norero, P.E.
3. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 06/16/15, signed and sealed by Hermes F. Norero, P.E.
4. Letter of authorization issued by Quality Engineered Products, dated 07/19/11, allowing Dorma Architectural Hardware, Inc. to use test report CTLA-1276W to obtain "Renewal" component approval, signed by Andrew Bernstein.
(Submitted under NOA No. 11-0911.04)



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0630.02
Expiration Date: May 19, 2021
Approval Date: March 03, 2016

**DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE
ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION
INTO APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.**



SERIES DORMA 9300F9300 RIM EXIT X DORMA HC1300 MULLION

BILL OF MATERIAL (Per Panel)			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9300 CHASSIS ASSY.	SEE NOTES	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		4
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE		1
10	12-24 R.H.P.M.S.		8
11	8-32 F.H.P.M.S.		6
12	12-24 F.H.P.M.S.		6
13	HINGE (STEEL)	Per NOA	4
14	#463 STRIKE	SEE NOTES	1
15	Removable Steel Mullion	DORMA HC1300	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	Mounting Plate	Steel	1
19	Bottom Adapter	Steel	1

CHASSIS ASSEMBLY MATERIAL: INVESTMENT CAST 1020 STEEL,
BOLT 304 STAINLESS
STRIKE MATERIAL: 701 SANDCAST MALLEABLE IRON FERRATIC GRADE 32510

Series DORMA 9300/F9300 Rim Exit Device for Single or Pairs
When Used With DORMA HC1300 Mullion
96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0630.02**
Expiration Date **05/19/2021**

By **Miami-Dade Product Control**

Thru Bolt
R.H.P.M.S.—Round Head Phillips Machine Screw
F.H.P.M.S.—Flat Head Phillips Machine Screw
O.H.P.M.S.—Oval Head Phillips Machine Screw
F.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw
T.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw

NOTE: FOR ALL SECTION DETAILS
SEE DRAWING SHEET 2 OF 6
W/ DORMA HC1300 STEEL MULLION

DESCRIPTION: DORMA 9300/F9300 Rim Exit Device
16 GA. Full Glass Door(s)



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELVILLE, MISSOURI 63286

SCALE: NONE DRAWN BY: TA DATE: 8/10/04 CHKD BY: DC DATE: 6-24-11

GENERAL NOTES

LIMITATIONS:

- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
- Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
- Steel reinforcement required as indicated on detail drawings.
- Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:

Underwriter's Laboratories — UL10C, UBC 7-2 (1997)

ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw

All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)

Door: Steel 16ga Min. (.060 min.) Top & bottom rails— reinforced w/ full length 16 ga. (.060 min.) Steel Channel.

Lock Stile/ Hinge Stile reinforced with 12ga steel box channel full length.

Strike/Hinge locations reinforced with 7ga steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.

Exit device Model DORMA 9300 Series Rim Outside trim may be one of the following prefix designations:

NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.

Thru bolts must be used on all installations as shown.

Interlocking strike angle must be installed on all installations as shown.

Quantities double for the opposite door.

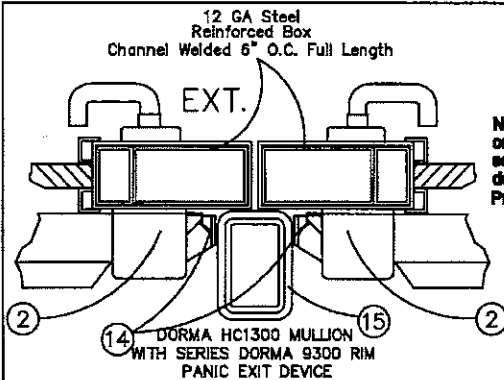
Building Drops, Inc.
300 E. Denise Beach Blvd.
Denise Beach, FL 33004
FBPE Cert. of Authorization No. 20570

5th Edition FBC Update		10-1	LS	6-16-15
Rev. Print	9	TA	6-23-11	
Rev. Print	8	TA	12-03-07	
Rev. Print	7	TA	7-28-07	
Rev. Print	6	TA	7-6-07	
Rev. Print	5	TA	6-11-07	
Rev. Print	4	EW	3-27-06	
Rev. Print	3	EW	2-2-06	
Rev. Print	2	TA	7-6-05	
Rev. Print	1	TA	5-6-05	
REVISIONS		NO.	BY	DATE

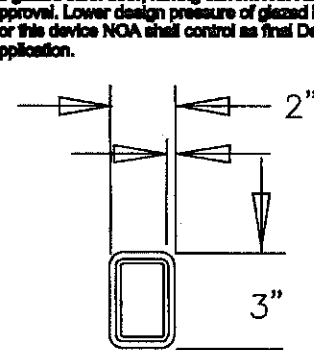
DWG. 1 OF 6

DWG. NO. **9000-003 DADE**

**DORMA 9300F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE
ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION
INTO APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.**

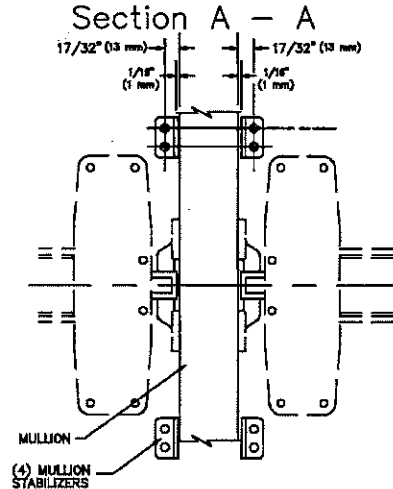


NOTE: Impacted glass kit, having current component NOA or impacted glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.



Notes:

Material:
Carbon Steel Tubing 2 x 3 x 1/4 Wal
Structural ASTM A500-Grade B
Tensile Strength; 58000 psi.
Yield Strength; 46000 psi.
% Elongation In 2 Inches; 23



ELEVATION VIEW

NOTE: Channels may be either 9300 or F9300
"F" prefix denotes fire rated channels assembly.

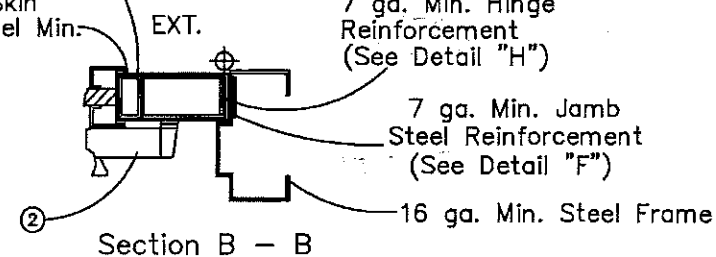
12 ga. Steel Box Channel Welded @ 6" o.c. Full Length. Outswing Doors Under Separate Approval

Door Skin 16 ga. Steel Min.

7 ga. Min. Hinge Reinforcement (See Detail "H")

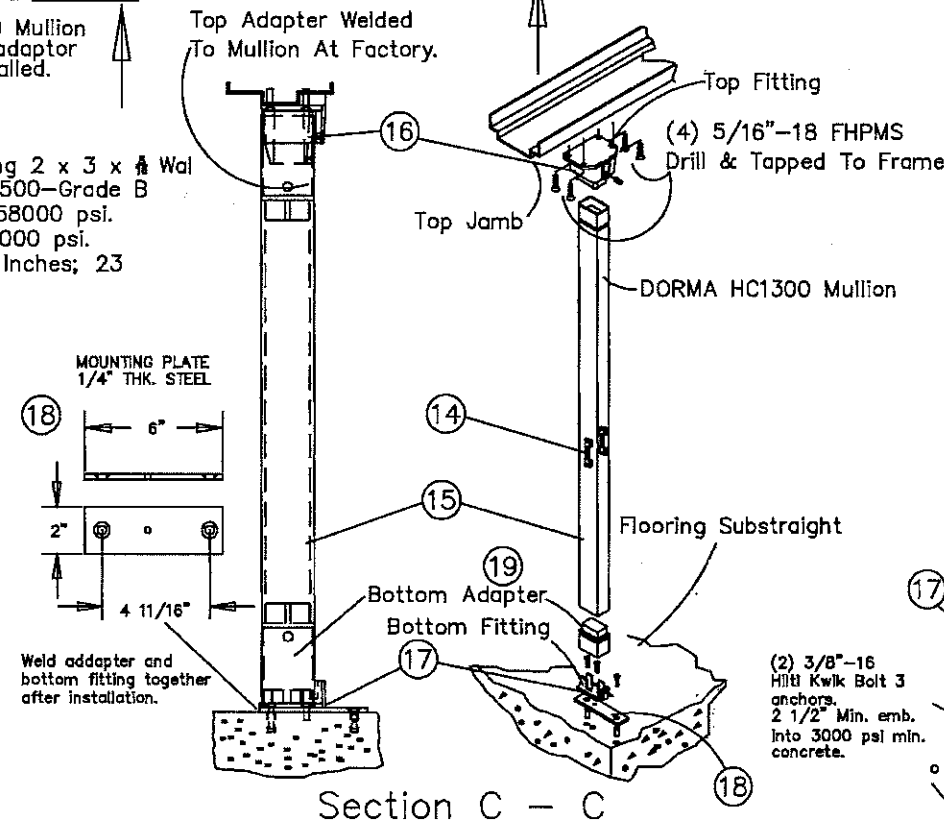
7 ga. Min. Jamb Steel Reinforcement (See Detail "F")

16 ga. Min. Steel Frame

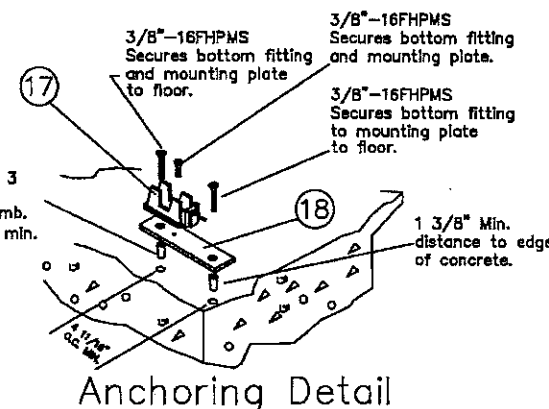


Series DORMA 9300F9300 Rim Exit Device for Single or Pairs
When Used With DORMA HC1300 Mullion
96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	



(2) 3/8"-16 Hilti Kwik Bolt 3 anchors.
2 1/2" Min. emb. into 3000 psi min. concrete.



12 ga. Steel Box Channel Welded @ 6" o.c. Full Length.

Outswing Doors Under Separate Approval

NOTE: Frame and Jamb must be designed to withstand imposed load and reviewed by building official.

Door Skin 16 ga. Steel Min.

16 ga. Min. Steel Frame

1 1/2" x 9 7/8" 12 ga. Strike reinforcement

Edge of Stop or Mullion

NOTE: Impacted glass kit, having current component NOA or impacted glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.

VERTICAL REF. LINE
Section D - D
OUTSWING SINGLE DOOR

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0630.02**

Expiration Date **05/19/2021**

By *[Signature]*
Miami-Dade Product Control

DESCRIPTION: DORMA 9300/F9300 Rim Exit Device
16 GA. Full Glass Door(s)



DORMA DOOR CONTROLS INC
1003 N. BROADWAY
STEELEVILLE, ILLINOIS 62286

SCALE: NONE DRAWN BY: TA DATE: 8/10/04 CHKD BY: DC DATE: 6-24-11

GENERAL NOTES

LIMITATIONS:

- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
- Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
- Steel reinforcement required as indicated on detail drawings.
- Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:

Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model 9300 Series Rim
Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for fire opposite doors.

Building Drops, Inc.
308 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 29578

5th Edition FBC Update	11	LS	6-16-15
Rev. Print	10	TA	6-23-11
Rev. Print	9	TA	3-21-11
Rev. Print	8	TA	12-12-07
Rev. Print	7	TA	7-26-07
Rev. Print	6	TA	7-6-07
Rev. Print	5	TA	6-11-07
Rev. Print	4	EW	3-27-06
Rev. Print	3	EW	2-2-06
Rev. Print	2	TA	7-6-05
Rev. Print	1	TA	5-6-05
REVISIONS	NO.	BY	DATE

DWG. 2 OF 6

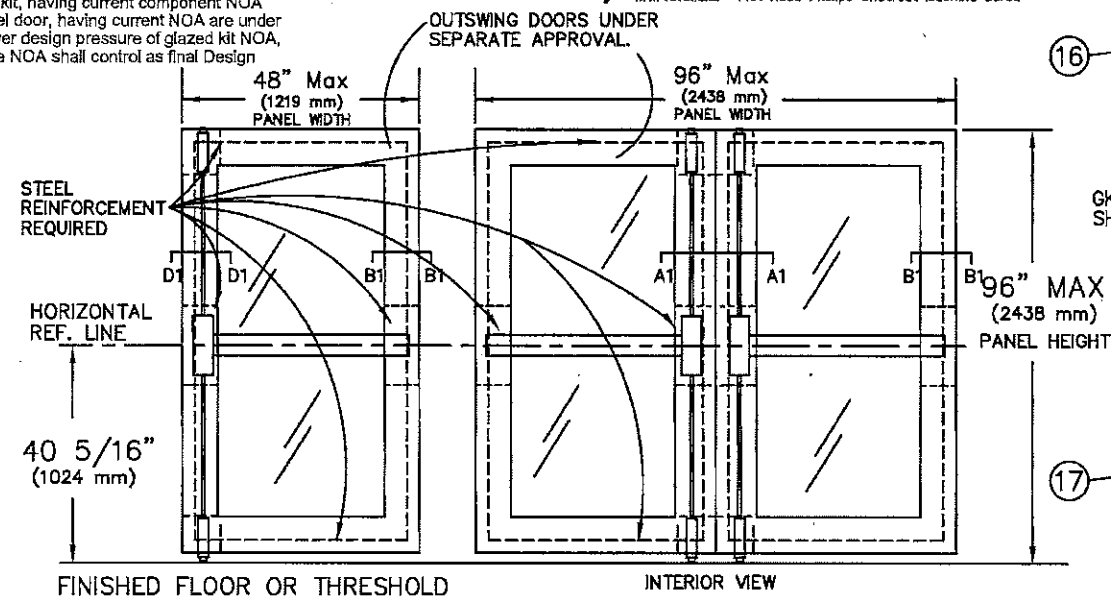
DWG. NO. 9000-003 DADE

DORMA 9400/F9400 SURFACE VERTICAL ROD EXIT DEVICE

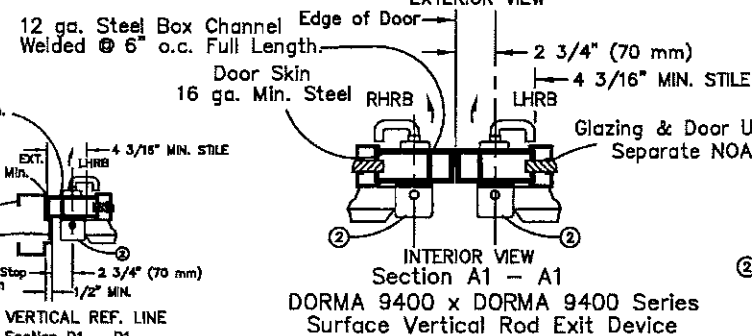
BILL OF MATERIAL (Per Panel)

ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9400 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 R.H.P.M.S.		12
11	8-32 F.H.P.M.S.		10
12	ROD RETAINING PLATE		2
13	HINGES	PER NOA	4
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 TOP STRIKE PACK	SANDCAST GRAY IRON CLASS 20	1
16	TOP CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
17	BOTTOM CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
18	8-32 x 3/4" R.H.P.M.S.		2
19	BOTTOM LATCH BRACKET		1
20	SLIDE BOLT ASSEMBLY	STEEL	1
21	LATCH COVER		2
22	#340 BOTTOM STRIKE PACK	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2

NOTE: Impacted glass kit, having current component NOA or impacted glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.



NOTE: Frame and Jamb must be designed to withstand imposed load and reviewed by building official.



DORMA 9400/F9400 SERIES SURFACE VERTICAL ROD ON OUTSWING SINGLE OR PAIRED APPLICATION ON APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

TYPICAL SURFACE VERTICAL ROD INSTALLATION
LEFT HAND REVERSE BEVEL SHOWN
RIGHT HAND REVERSE BEVEL OPPOSITE

OUTSWING DOORS UNDER SEPARATE APPROVAL.

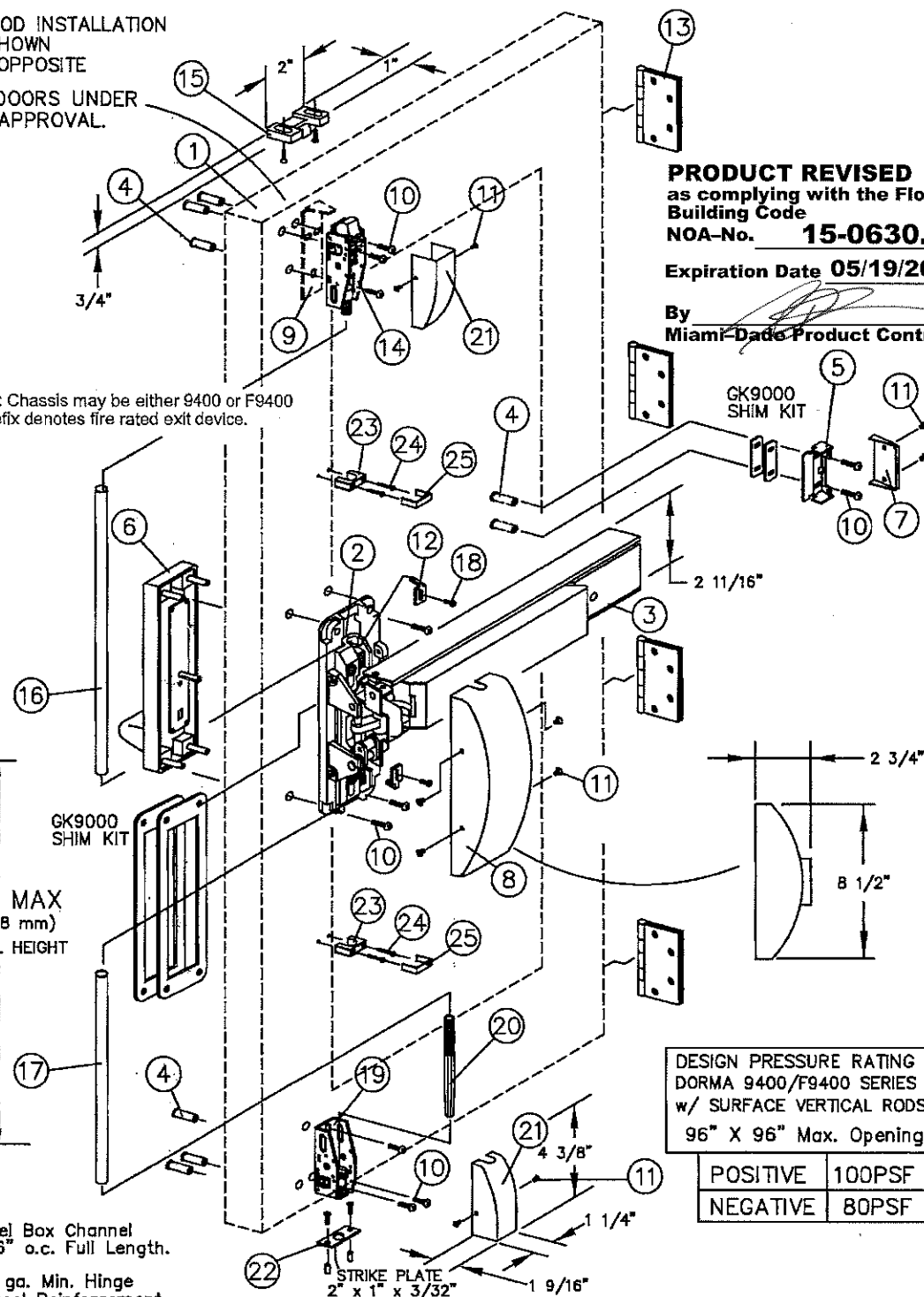
DETAIL "H"
Steel Hinge Reinforcement
7 ga. 1 1/4" x 10"

7 ga. x 1.25" x 10"

DETAIL "F"
Steel Jamb Reinforcement

Thru Bolt
R.H.P.M.S.—Round Head Phillips Machine Screw
F.H.P.M.S.—Flat Head Phillips Machine Screw
O.H.P.M.S.—Oval Head Phillips Machine Screw
F.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw
T.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw

NOTE: Chassis may be either 9400 or F9400
"F" prefix denotes fire rated exit device.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 15-0630.02

Expiration Date 05/19/2021

By
Miami-Dade Product Control

DESIGN PRESSURE RATING
DORMA 9400/F9400 SERIES
w/ SURFACE VERTICAL RODS
96" X 96" Max. Opening

POSITIVE	100PSF
NEGATIVE	80PSF

DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device
16 GA. Full Glass Door(s)



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 8/10/04 CHKD BY: DC DATE: 6-24-11

GENERAL NOTES

LIMITATIONS:

- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
- Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
- Steel reinforcement required as indicated on detail drawings.
- Electrical devices are not part of this approval, and must be reviewed by the corresponding authority. Certification: Underwriter's Laboratories — UL10C, UBC 7-2 (1997) ANSI/BHMA A156.3 Grade 1 Exit Device 3/4" Minimum latchbolt throw top & bottom. All reinforcements to be spot welded or better by door manufacturer. Frame: Steel 16ga Min. (.060 min.) Door: Steel 16ga Min. (.060 min.) Top & bottom rails— reinforced w/ full length 16 ga. (.060 min.) Steel Channel. Lock Stile/ Hinge Stile reinforced with 12ga steel box channel full length. Strike/Hinge locations reinforced with 7ga steel plate. All dimensions in accordance with manufacturer's standard installation instructions. Exit device Model DORMA 9400 Series Surface Vertical Rod Exit Device. Outside trim may be one of the following prefix designations: NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims. Thru bolts must be used on all installations as shown. Interlocking strike angle must be installed on all installations as shown. Quantities double for the opposite doors.

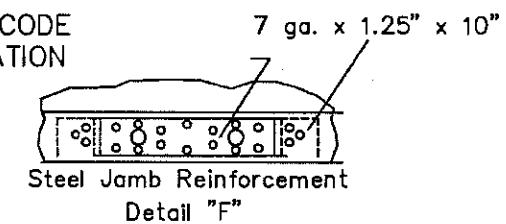
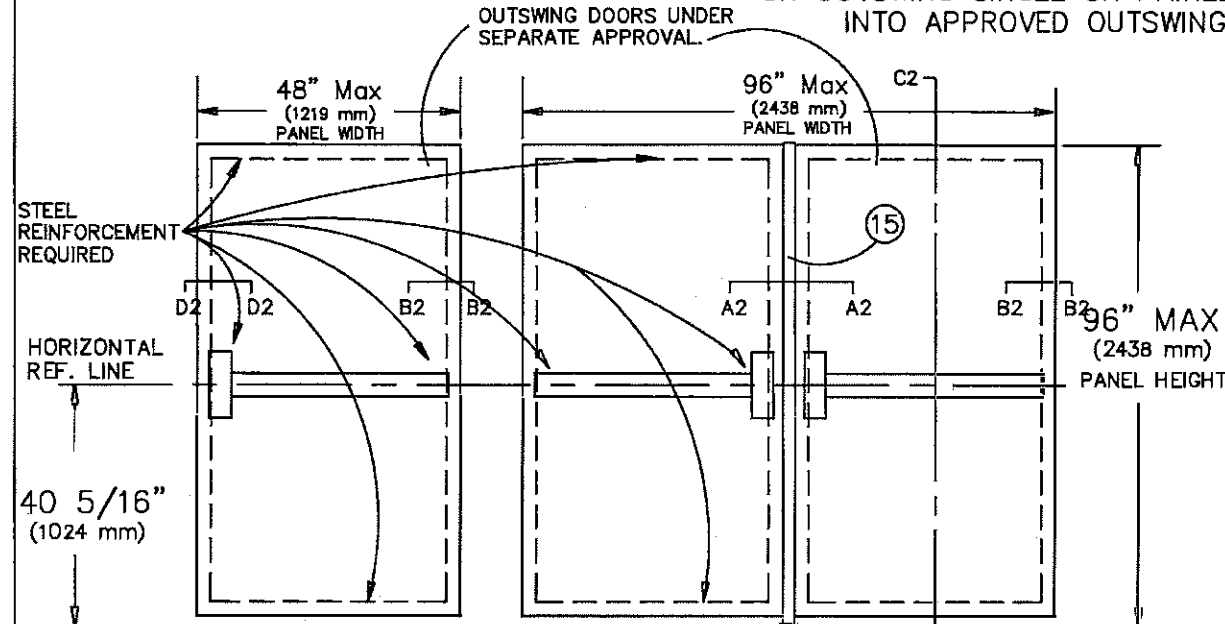
Building Drops, Inc.
398 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 29578

Rev. Print	NO.	BY	DATE
Rev. Print	10	LS	6-16-15
Rev. Print	9	TA	6-23-11
Rev. Print	8	TA	12-12-07
Rev. Print	7	TA	7-26-07
Rev. Print	6	TA	7-6-07
Rev. Print	5	TA	6-11-07
Rev. Print	4	EW	3-27-06
Rev. Print	3	EW	2-2-06
Rev. Print	2	TA	7-6-05
Rev. Print	1	TA	5-6-05

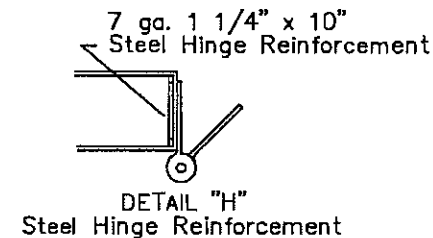
DWG. 3 OF 6

DWG. NO. 9000-003 DADE

**DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE
ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION
INTO APPROVED OUTSWING FLUSH DOORS HAVING CURRENT NOA.**



OUTSWING DOORS UNDER
SEPARATE APPROVAL.



NOTE: Chassis may be either 9300 or F9300
"F" prefix denotes fire rated chassis assembly.

Single DORMA 9300/F9300 Rim Exit Device
Pair DORMA 9300/F9300 Rim Device
With DORMA HC1300 Mullion

SERIES DORMA 9300/F9300 RIM PANIC W/ DORMA HC1300 MULLION

BILL OF MATERIAL (Per Panel)			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9300 CHASSIS ASSY.	SEE NOTES	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		4
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE		1
10	12-24 R.H.P.M.S.		8
11	8-32 F.H.P.M.S.		6
12	12-24 F.H.P.M.S.		6
13	HINGE (STEEL)	Per NOA	4
14	#463 STRIKE	SEE NOTES	1
15	Removable Steel Mullion	DORMA HC1300	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	Mounting Plate	Steel	1
19	Bottom Adaptor	Steel	1

CHASSIS ASSEMBLY MATERIAL: INVESTMENT CAST 1020 STEEL,
BOLT 304 STAINLESS
STRIKE MATERIAL: 701 SANDCAST MALLEABLE IRON FERRATIC GRADE 32510

Series DORMA 9300/F9300 Rim Exit
Device for Single or Pairs
When Used With DORMA HC1300 Mullion
96\"/>

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

Notes:
Material: Carbon Steel Tubing 2 x 3 x .063\"/>

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0630.02**
Expiration Date **05/19/2021**

By **Miami-Dade Product Control**

Thru Bolt
R.H.P.M.S. Round Head Phillips Machine Screw
F.H.P.M.S. Flat Head Phillips Machine Screw
O.H.P.M.S. Oval Head Phillips Machine Screw
F.H.P.U.C.M.S. Flat Head Phillips Undercut Machine Screw
T.H.P.U.C.M.S. Flat Head Phillips Undercut Machine Screw

NOTE: FOR ALL SECTION DETAILS
SEE DRAWING SHEET 5 OF 6
W/ DORMA HC1300 STEEL MULLION

DESCRIPTION: DORMA 9300/F9300 Rim Device
16 ga. Frame and 16 ga. Door



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 12-15-06 CHKD BY: DC DATE: 6-24-11

GENERAL NOTES

LIMITATIONS:

- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
- Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
- Steel reinforcement required as indicated on detail drawings.
- Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:

Underwriter's Laboratories - UL10C, UBC 7-2 (1997)

ANSI/BHMA A156.3 Grade 1 Exit Device
3/4\"/>

All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.

Exit device Model DORMA 9300 Series Rim Outside trim may be one of the following prefix designations:

NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.

Thru bolts must be used on all installations as shown.

Interlocking strike angle must be installed on all installations as shown.

Quantities double for the opposite door.

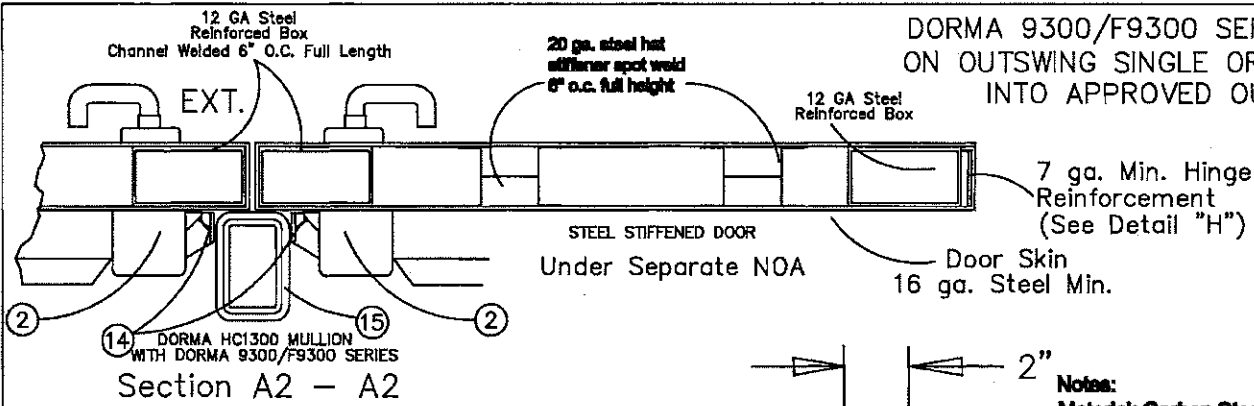
Building Drops, Inc.
388 E. Davis Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 22578

STATE OF FLORIDA
HARRY F. NOBLE, P.E.
Professional Engineer
No. 73173
Ex. 12-15-06

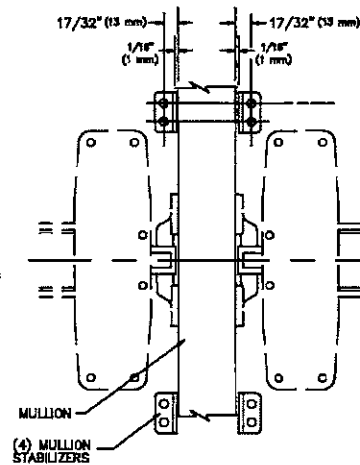
5th Edition FBC Update	7	LS	5-16-15
Rev. Print	6	TA	6-23-11
Rev. Print	5	TA	12-12-07
Rev. Print	4	TA	7-27-07
Rev. Print	3	TA	7-5-07
Rev. Print	2	TA	6-11-07
Correct Print	1	TA	6-3-07
REVISIONS	NO.	BY	DATE

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DWG. NO. **9000-003 DADE**



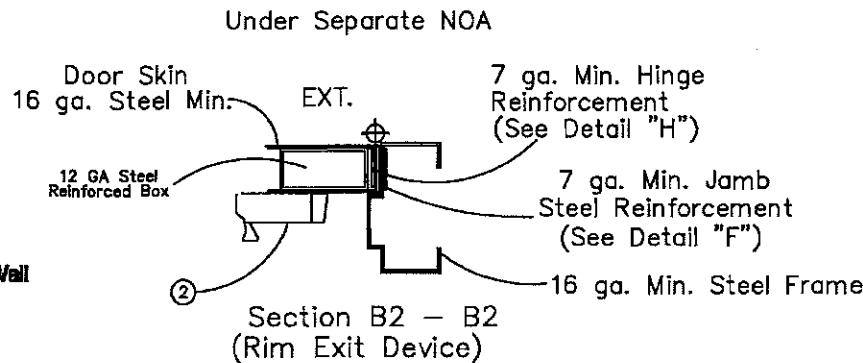
Section A2 - A2



ELEVATION VIEW
Section A2 - A2

NOTE: Chassis may be either 9300 or F9300
"F" prefix denotes fire rated chassis assembly.

Notes:
Material: Carbon Steel Tubing 2 x 3 x 1/4 Wall
Structural ASTM A500-Grade B
Tensile Strength; 58000 psi.
Yield Strength; 46000 psi.
% Elongation in 2 Inches; 23

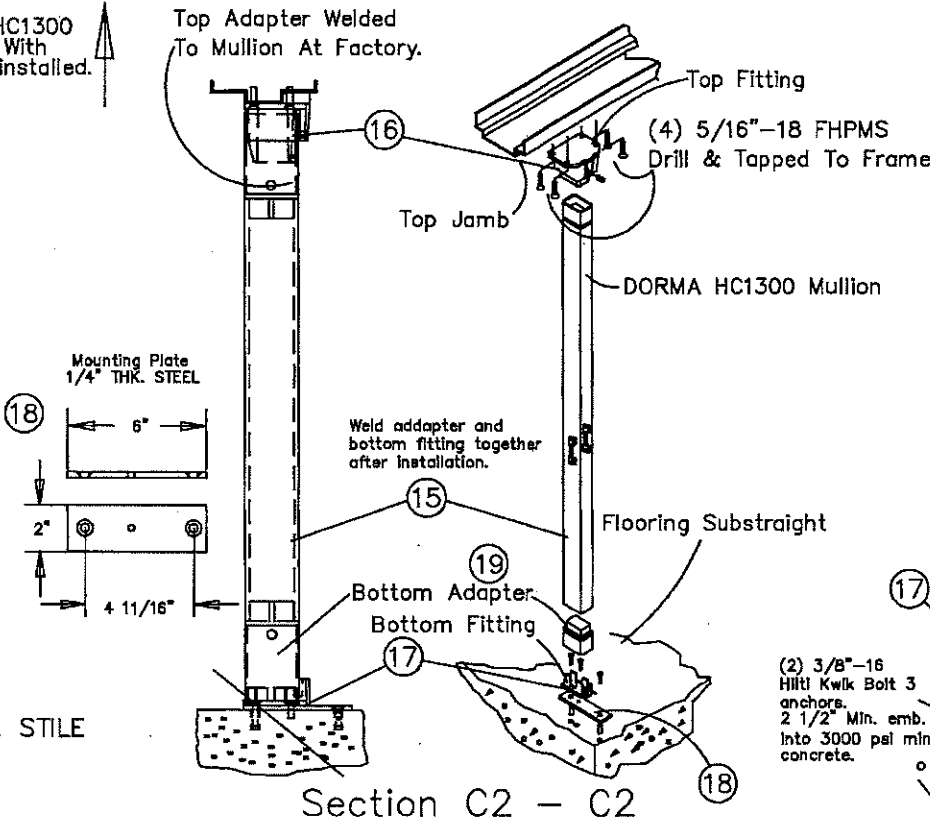


Under Separate NOA

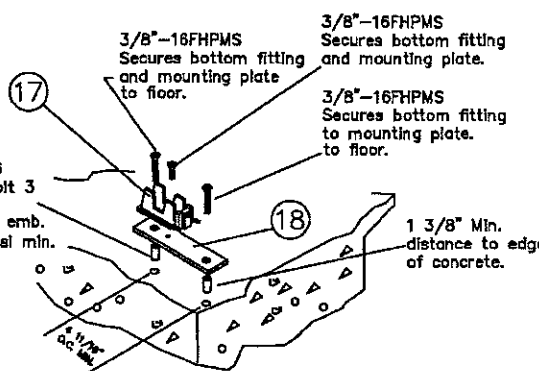
Section B2 - B2
(Rim Exit Device)

Series DORMA 9300/F9300 Rim Exit
Device for Single or Pairs
When Used With DORMA HC1300 Mullion
96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	



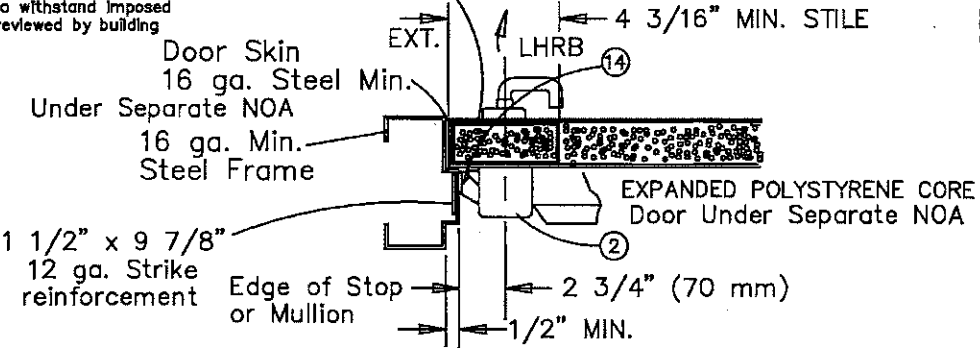
Section C2 - C2



Anchoring Detail

12 ga. Steel Box Channel
Welded @ 6" o.c. Full Length.

NOTE:
Frame and Jamb must be
designed to withstand imposed
load and reviewed by building
official.



VERTICAL REF. LINE
Section D2 - D2 (Rim Exit Device)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0630.02**

Expiration Date **05/19/2021**

By *[Signature]*
Miami-Dade Product Control

DESCRIPTION: DORMA 9300/F9300 Rim Exit Device
16 ga. steel door and frame



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELVILLE, ILLINOIS 62280

SCALE: NONE DRAWN BY: TA DATE: 12/15/06 CHKD BY: DC DATE: 6-23-11

GENERAL NOTES

LIMITATIONS:

- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
- Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
- Steel reinforcement required as indicated on detail drawings.
- Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:

Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model DORMA 9300 Series Rim Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for the opposite doors.

Building Drops, Inc.
306 E. Davis Beach Blvd.
Davis Beach, FL 33004
FBPE Cert. of Authorization No. 20678
6-17-2015
Homer T. Mason, P.E.
Florida P.E. No. 73778

5th Edition FBC Update	7	LS	6-16-15
Update Print	6	TA	6-23-11
Update Print	5	TA	3/21/11
Update Print	4	TA	12/12/07
Update Print	3	TA	7/26/07
Update Print	2	TA	7/5/07
Update Print	1	TA	6-11-07
REVISIONS	NO.	BY	DATE

DWG. 5 OF 6

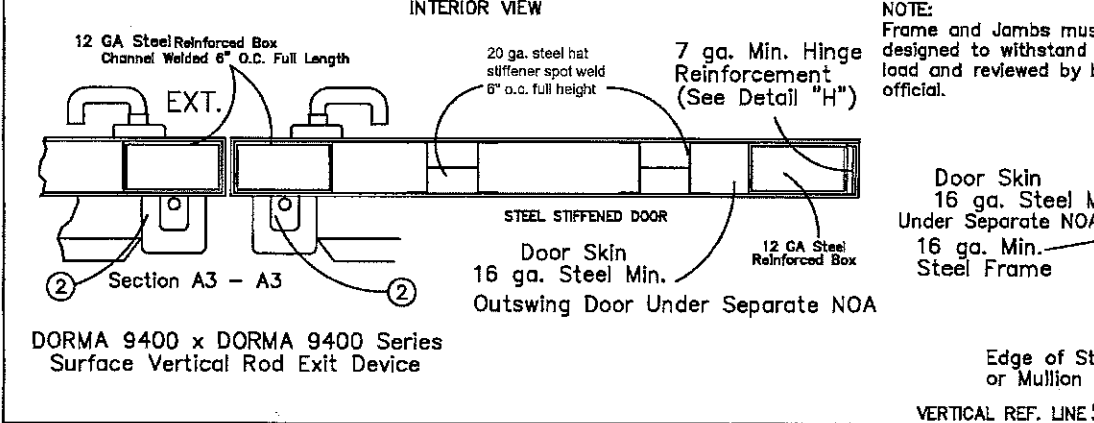
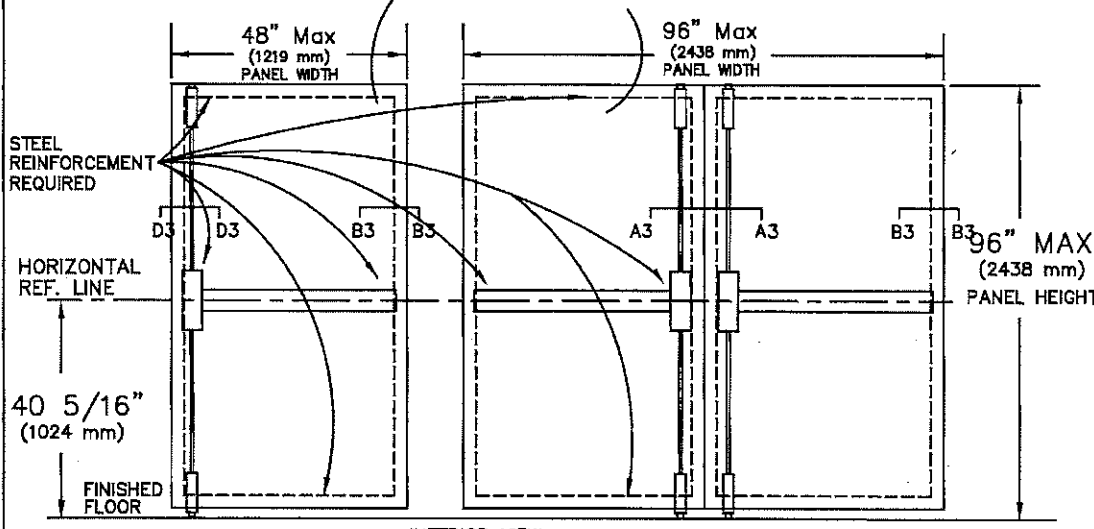
DWG. NO. 9000-003 DADE

DORMA 9400/F9400 SURFACE VERTICAL ROD EXIT DEVICE

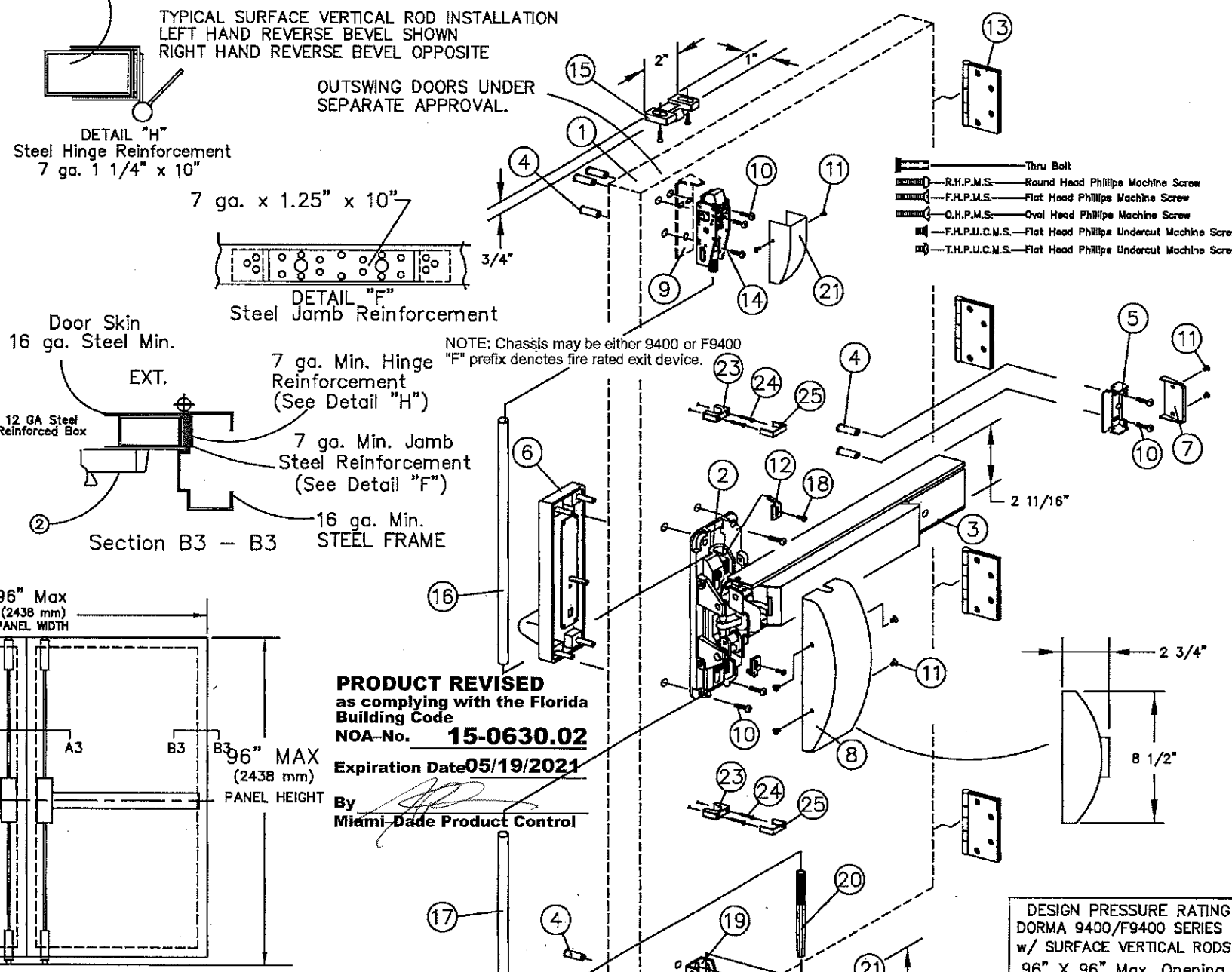
BILL OF MATERIAL (Per Panel)

ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9400 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 R.H.P.M.S.		12
11	8-32 F.H.P.M.S.		10
12	ROD RETAINING PLATE		2
13	HINGES	PER NOA	4
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 TOP STRIKE PACK	SANDCAST GRAY IRON CLASS 20	1
16	TOP CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
17	BOTTOM CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
18	8-32 x 3/4" R.H.P.M.S.		2
19	BOTTOM LATCH BRACKET		1
20	SLIDE BOLT ASSEMBLY	STEEL	1
21	LATCH COVER		2
22	#340 BOTTOM STRIKE PACK	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2

OUTSWING DOORS UNDER SEPARATE APPROVAL.



DORMA 9400/F9400 SERIES SURFACE VERTICAL ROD ON OUTSWING SINGLE OR PAIRED APPLICATION ON APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0630.02**
Expiration Date **05/19/2021**
By **Miami-Dade Product Control**

DESIGN PRESSURE RATING
DORMA 9400/F9400 SERIES
w/ SURFACE VERTICAL RODS
96" X 96" Max. Opening

POSITIVE	100PSF
NEGATIVE	80PSF

DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device
16 ga. flush door and frame

DORMA

DORMA DOOR CONTROLS INC.
1003 W. BROADWAY
STEELVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 12/15/06 CHKD BY: TA DATE: 6-23-11

GENERAL NOTES

- LIMITATIONS:**
- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.
- Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw top & bottom.
All reinforcements to be spot welded or better by door manufacturer.
Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga Steel plate.
All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model DORMA 9400 Surface Vertical Rod Exit Device.
Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for the opposite edge.

Building Drops, Inc.
398 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 20576

STATE OF FLORIDA
DEPARTMENT OF CONSUMER PROTECTION
OFFICE OF THE ATTORNEY GENERAL
JAN 16 2018

5th Edition FBC Update	6	LS	6-16-15
Rev. Print	5	TA	6-23-11
Rev. Print	4	TA	12-12-07
Rev. Print	3	TA	7-26-07
Rev. Print	2	TA	7-5-07
Rev. Print	1	TA	6-11-07
REVISIONS	NO.	BY	DATE
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DWG. NO.	9000-003 DADE		